App. F. IX.4

1936 (1st)

PRESERVED File No. 265-35

Previous References.
Irc 294-33 (1-7)

Serial Nos. 1-4, 9

Letter References.
PTS/-36 & 194, 205.
Irc 265-35 (13-16)
Irc 30-37 (4, 15)
Irc 136-38 (1-11)

GENERAL AND REVENUE SECRETARIAT.

Irc 399-38 . . (1-2)
" 418-39-1, 3-5
" 140-40-1-2
" 144-40-1-2.

Serial Nos. five

P: 60

Part B for Nov 36.

SUBJECT.

Installation of an Emulsion plant at Mysore.

0 2741-43 of 19.11.36

WD 0418—GPB—22,500—29-8-36

This financial test
[illegible]

Sanction for [illegible]

DEWAN'S MINUTE.

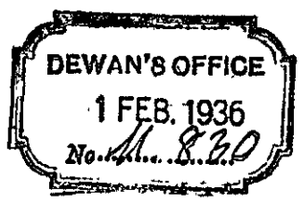
B. M. 30, 27
3. 2. 36.

FILE No. 193

Would it be an advantage to have another Emulsion Plant located at Nagpur? More and more emulsion will be needed required for the roads not only in the city they will also in the district. The Hassan & Mysore, Shimoga districts will also be requiring it.

MJ
1-2-36

(C.E.)



Ask Mr Srinivasathar, El & Mine Dept
to see me re this today pl. Mr Bhaskar may also come with him.

3/2/36.

Installation of an emulsion plant at Mysore

Public Works Secretariat. | File No. (C of 193

Serial No.

D 1053
13-3-36

Resubmitted to the Second Member of Council with reference to his Orders dated the 27th February 1936 on this Office Note No. D 981 of the 26th idem.

2. In case Dr.A.N.Rao will not work the factory at Mysore, the same may with advantage be entrusted to one of the officers of the Public Works Department, as thereby an opportunity would be afforded for corelating actual experience in the field with the standard of output of the material.

A

OF THE SECOND MEMBER OF COUNCIL. 1936 No. 1013

M. A. 12/3/36.
Secretary to Government,
Public Works Department.

MM
14/3/36

Submitted for the sanction of the proposal contained in para 4 of the note and of 'A' above.

Dewan 14/3/36

DEWAN'S OFFICE 14 MAR. 1936 No. 5588

Received invitation dated 17/3/1936

17/3

No
14-3-36

Note.—Contn. sheet.

WD 583—GBPM—2,500—1-11-32.

The 2nd Asst will proceed as under the Plant & Dr Rao will act as Chief at Mysore. 16/3/36

3 No. D. 981

PUBLIC WORKS SECRETARIAT.

DEWAN'S OFFICE
20 FEB 1936
No. 5216

Subject: Installing an Emulsion Plant at Mysore

Reference: Letter No.1266 dated the 8th February 1936 from the Executive Engineer, Bangalore Division.

Submitted to the Dewan of Mysore, with reference to his orders in Memo No.M.830 dated the 1st February 1936.

2. An Emulsion Plant has recently been installed at the Government Industrial and Testing Laboratory at Bangalore at a cost of Rs.7,750/- The annual output of this plant is about 63000 gallons or 300 tons. This material is utilised by the Bangalore City Municipality and also by the Districts of Bangalore, Kolar and Tumkur. It is also required for the Mysore City Municipality and for Mysore, Hassan and Kadur Districts. In order to meet the increasing demand for Emulsion, another plant will have necessarily to be installed at Bangalore or Mysore.

3. The question is where the plant is to be installed and which would be profitable. If it is installed at Bangalore, the cost of transporting the emulsion from Bangalore to Mysore would be Rs.1,143-12-0 for 300 tons at Rs.3-13-0 per ton. The approximate quantity that may be annually required by the Mysore City Municipality and Mysore Hassan and Kadur Districts is estimated at 300 tons. If the plant is installed at Mysore, only 150 tons of Bitumen will have to be transported from Bangalore to Mysore, as the emulsion prepared at present contains 50 per cent of Bitumen and 50 per cent of water. Consequently, the transport

D no 981 26/2

charges will be reduced by 50 per cent or -- Rs.571-14-0 (half of Rs.1,143-12-0). There will therefore be an annual savings of Rs. 571-14-0 and the initial capital outlay of Rs.7,750 that has to be invested for installing another plant can be realised in the course of 14 years. Besides distributing from two centres for work round about will be more convenient.

OFFICE OF THE SECOND MEMBER OF COUNCIL. 26 FEB. 1936 No 6525

4. In these circumstances, I would suggest that another emulsion plant may, with advantage, be installed at Mysore, as it is economical and will, in the long run, work out cheaper.

5. The emulsion factory to be opened at Mysore may also be worked by the Industrial Chemist (Dr. A. Rao ~~Sahib~~.)

Yes, as early as possible if II Member agrees

OFFICE OF THE SECOND MEMBER OF COUNCIL. 26 FEB. 1936 No 202

Secretary to Government,
Public Works Department.

Submitted
II Member 25/2/36

Bangalore,
20th February 1936.

The factory may be put up by Dr. A.N. Rao. It would may however be entrusted to an officer of the Industries & P. W. dept. stationed at Mysore. Otherwise Dr Rao & A will consume the anticipated saving in freight charges

27/2/36.

If the factory is to be worked by anybody other than Dr A.N. Rao a part time man would do. I think as he will be selected man - the actual man - the best -

Find out from S.E.M.C & A-G the feasibility

25/2

Bst II a

27/2/36.

SHEET NO._____

GOVERNMENT INDUSTRIAL & TESTING LABORATORY
(BITUMEN SECTION)

Copy of ~~the~~ Circular letter No 2776-9 dated 29th Jan. 1936 addressed to all the Ex. Engineers in Bangalore and Mysore, Asst. Engineers, the president, Sanitary Board, K.C.F., Ex. Eng. Kadur Dn. and Asst. Engineer Robertsonpet.

Sir,

The Chief Engineer visited the Laboratory this morning. He suggested that the bitumen content of the emulsion may be only 50% as it is more economical. As per his instructions I shall supply you hereafter only 50% emulsion which please note. The data from which 50% emulsion will be supplied will be indicated on the D.Note itself. I shall be glad to have your opinion as to the suitability of emulsion of this strength after you have used it.

Vide Sp. Rv. 1872 3.3.36.

True Copy

2786
29.1.36.

Copy of the above is forwarded with compliments to the Chief Engineer in Mysore, Bangalore with reference to his personal conversation on this morning (29 inst Jan)

Superintendent.

Borka sent
Is it by volume or weight?
Find out the
wt. 5/2/36

5.286

858

MYSORE PUBLIC WORKS DEPARTMENT.

Telephone No. 255.

OFFICE OF THE EXECUTIVE ENGINEER,
BANGALORE DIVISION,

No. 1256

Enc. 2.

Bangalore, dated 8th February 1936.

FROM

M. A. SRINIVASACHARI, ESQ., L.C.E.,
Executive Engineer, Bangalore Division,
BANGALORE.

To

The Chief Engineer of Mysore,
Public Works Department,
Bangalore.

Vide G.O. No. 1872 3.3.36.

Sir,

Subj:- Emulsion.

I have the honour to enclose a note on 'Installing an Emulsion Plant in Mysore' for favour of information and further needful.

I may mention in this connection, that an approximate quantity of 300 tons of emulsion is taken to be annually required by the Mysore -- Municipality, Hassan and Kadur Districts. The rate is Rs.3-13-0 per ton for transporting the emulsion from Bangalore to Mysore by train as learnt from enquiry.

A copy of Telephone reply dated 4-2-36 -- received from the Superintendent, Testing Laboratory is also enclosed for information.

I have the honour to be,
Sir,
Your most obedient servant,

Executive Engineer,
Bangalore Division.

KNM

8-2-36

NOTE ON INSTALLING AN EMULSION PLANT IN MYSORE.

At present, there is an Emulsion Plant recently installed at the Government Industrial and Testing Laboratory in Bangalore with a net capital outlay of Rs.7,750/-. The annual output of this plant is about 63,000 gallons or 300 tons and the emulsion is estimated to cost about 6½ annas a gallon ex-factory including depreciation and interest at 5¼% on the total capital.

There is expected to be an annual demand for nearly 300 tons of emulsion for the Mysore City Municipality and also for Mysore, Hassan and Kadur Districts. As the output from the present plant at the Testing Laboratory in Bangalore, will be utilised by the Bangalore City Municipality and the Bangalore, Kolar and Tumkur Districts, another plant will necessarily have to be erected for meeting the demands of Mysore.

The question now arises whether it would be profitable to install another plant at the Industrial and Testing -- Laboratory at Bangalore or to install the plant in Mysore itself. If the former is done, the cost of transporting the emulsion from Bangalore to Mysore will be Rs.1,143-12-0 at the rate of Rs.3-13-0 per ton for 300 tons. While if the plant is installed in Mysore, only 150 tons of Bitumen will have to be transported from Bangalore to that place as the emulsion prepared at present contains 50% of bitumen and 50% of water. Consequently the transport charges is reduced by 50% or to Rs.571-14-0 (½ of 1143-12-0). This means, there will be an annual savings and the initial capital outlay of Rs.7,750/- can be realised in the course of say 14 years (7750/571-14-0).

Under the circumstances explained above, it is -- suggested that installing another emulsion plant in Mysore

(8

in Mysore itself is economical and will in the long run work out much cheaper.

Executive Engineer,
Bangalore Division.

KNM.7/2.

7/2/36

Telephone Message dated 4-2-1936 from the Superintendent, Testing Laboratory, Bangalore, to the Executive Engineer, Bangalore Division, Bangalore.

THE EMULSION CONTAINS 60% OF BITUMEN BY VOLUME

AT MELTING POINT.

Note.

As per recent instructions of the Chief Engineer (say about 4 - 5 days back) the Emulsion -- prepared contains 50% Bitumen.

-"Copy"

M. A. Srinivasachar
8/2

Executive Engineer,
Bangalore Division.

Paid 8/2/36.

Today
To Draft

D.O. 1872

Bangalore,
3rd March 1936

Dear Sir,

I am desired to inform you that the Emulsion manufactured at the Government Industrial and Testing Laboratory at Bangalore is being utilized by the Bangalore City Municipality and also by the districts of Bangalore, Kolar and Tumkur. It is also ~~stated~~ said to be required for the Mysore City Municipality and for Mysore, Hassan and Kadur districts. In order to meet the increasing demand for the material, it is proposed to instal another ~~laboratory~~ Emulsion Plant at Mysore, as distribution from two centres for work round about Bellary is more convenient.

2159
B

2

"

emulsin

2. The factory is proposed to be
with
built up by Dr. A. N. Rao, and its
but
working is proposed to be entrusted
to an officer of the Industries &
p. w. department stationed at
Alleppey.

If the factory at Alleppey is should
be worked by any body other than
Dr. A. N. Rao, I would suggest that
if so
a p. w. d. officer may, with
advantage, would it, as he will
be actually using the product
I therefore request that your opinion
in the matter may kindly be
furnished immediately, as a report
is due to Government on the
subject.

This may kindly treated "Immediate."

Yours sincerely

D

To R. W. Caldwell Esq 7.3
Dr. 36 P. I. & C.

D.O. No. C. 119

106(90)
Dated 9/3/36
BANGALORE

OFFICE OF THE SUPERINTENDING ENGINEER.
MYSORE CIRCLE, P.W.D.
~~MYSORE~~, DATED, 7-3-193 6.

Dear Mr. Ayyangar,

I acknowledge your D.O. No. 1872 dated 3-3-1936 in regard to the proposed establishment of an emulsion manufacturing plant at Mysore, to enable to meet the local demand and that of Hassan and Kadur Districts for emulsion.

2. I think that in case Dr. A. N. Rao will not work the factory at Mysore, the same may very usefully and with great advantage be entrusted to one of the officers of the Public Works Department as thereby an opportunity will be afforded for corelating ~~the~~ actual experience in the field with the standard of output of the material.

Yours sincerely,

7-3-36.

Diwan Bahadur

N.N.Ayyangar, B.A., L.C.E., M.I.E.,(Ind.,) I.S.E.,

Chief Engineer of Mysore, Bangalore.

No. D.

PUBLIC WORKS SECRETARIAT.

Submitted to the Dewan of ~~*Members of Council*~~ Mysore, for favour of approval.

Sd/-. N. N. Ayyangar,

Secretary to Government,
Public Works Department.

Bangalore,
March 1936.

T.R.S.

From

The Secretary to Government,
Public Works Department.

To

The Secretary to Government,
Development Department.

Dated Bangalore, the 23 March 1936.

No. 2403/S

Subject:- Installing an Emulsion Plant at Mysore.

Sir,

In continuation of this office Unofficial No.455 dated the 16th March 1936, forwarding, for taking further necessary action, this office Notes Nos.D.981 and 1033 dated the 27th February and 13th March 1936 respectively with Government Orders thereon on the above, I have the honour to state that Government direct that the emulsion plant be located at a suitable place in a corner of the Sandal Oil Factory at Mysore and that the Superintendent of the Factory should be in charge of its working. I therefore request that further necessary action may kindly be taken immediately in the matter.

I have, &c.,

Intld. N.N.A.

Secretary to Government,
Public Works Department.

GEN. & REV. SECRETARIAT
DEVELOPMENT BRANCH

No. 2404 Dated Bangalore, the 23 March 1936.

Advance copy of the above is forwarded, with compliments, to the Secretary to the Government of Mysore, Development Department, for information.

For Secretary to Government,
Public Works Department.

14

No. 35-84
Encls.

MYSORE PUBLIC WORKS DEPARTMENT,

CENTRAL OFFICE,

Dated Bangalore, 27.3. *193*

CHIEF & EX-OFFICIO SECRETARY'S OFFICE
4494
30/3.
DEVELOPMENT BRANCH

FROM

DIWAN BAHADUR
N. N. AYYANGAR, B.A., L.C.E., M.I.E. (Ind.), I.S.E.,
Chief Engineer of Mysore,
Bangalore.

To

The Secretary to the Government of Mysore,
Development Department.

SIR,

Installing an Emulsion Plant at Mysore.

In continuation of this office un-official No.455 dated the 18th March 1936 forwarding, for taking further necessary action, this office Notes Nos.D.981 and 1053 dated the 27th February and 13th March 1936 respectively with Government Orders thereon re the above, I have the honour to state that Government direct that the emulsion plant be located at a suitable place in a corner of the Sandal Oil Factory at Mysore and that the Superintendent of the Factory should be in charge of its working. I therefore request that further necessary action may kindly be taken immediately in the matter.

I have the honour to be,
Sir,
Your most obedient servant,

For Chief Engineer of Mysore.
26.3

T.R.S.

Re installation of a Bitumen Road Emulsion Plant at Mysore.

D.4375

Public Works Secretariat. | Dre File No. 15 of 1935.

Serial No.

* M.O.No 455 18/3/36. Engd 1 P.W.D File - 9 papers

Forwarded, with compliments, to the - - - Secretary to Government, Development Departments, for favour of taking necessary further action in the matter.

2. The P.W.D. file on the subject may kindly be returned when done with.

N. Lakshmanaraya
For Secretary to Government,
Public Works Department.
18.3

12 Mar 1936

4375 14.3.36 19

19/3 DEVELOPMENT BRANCH.

3) In the P.W.D. papers placed below it has been decided to instal a plant at Mysore for the manufacture and supply of road Emulsion to the Mysore city and Mysore, Hassan and Kadur Dts. The Deputy Dre undertaking the work of erecting and setting up of the plant at Mysore, the working thereof being entrusted to a P.W.D. Officer.

4) The papers relating to the Bangalore Plant is put up below.

Dre 294-33 Rs 1-7)

~~5) Submitted with a Draft to the Dir. Dre., calling for detailed estimate for the purchase and erection of the Plant at Mysore in order~~

Note.—Contn. sheet.

WD 583—GBPM—2,500—1-11-32.

14/3 78
20/3

Re installation of a Road Emulsion plant at Mysore

O/N:

Kindly see the attached Drawing and let us know if going to install the manufacturing of bituminous emulsion at Mysore? If yes, then required. If not, send up letter enquiring.

Ce
24/3

Ce
26/3

26/3

(4 (2

Installation of a road emulsion plants at Mysore

General and Revenue Secretariat | Dy. C. File No. 265 of 1935. | [App. F. III—2

Serial No.	
	6) If approved the entire file will be sent unofficially to the Dr I.C and his views invited. Dy Secy) 26.3.36
	7) Draft approved. MW. 25.3.36.
	26.3.36
1	To. The Dir. I.C No: D. 5865 d 25.3.36 Calls for detailed estimates for the purchase and erection of road emulsion plant at mysore.
	8) Ask him to hurry up. 26.3.36
	27.3.36.
	27.3.36.
2	From the Chief Engr. No. 85 Dated 27.3.36 States that the proposed Emulsion plant for mysore may be located in a corner of the Sandal oil factory and the working entrusted to the Depot of the factory.
	9) Submit for perusal.
	10) The Sandal oil factory is placed in charge

DEPUTY CHIEF OFFICER'S 1 MAY 1936 No. 5845

NOTE.—Contn. Sheet.

WD 03594—GPB—30,000—13-7-35

7) Re installation of a road Emulsion plant at Anjanur

Dr. File No.	265	of 1935.	General and Revenue Secretariat

of Mr. S. G. Sastri, Dy. Director of Industries and there is no post like "Supdt of the Factory.

11) If appd the Dir. will be apprised of the decision of Govt as communicated in the Ch. Engrs letter (P-W.D.)

Dir seen 1/4.4.36

Ks 9/4 3/4 — 12/4 yrs. 6311/34

W.W. 3.4.36.

Ag. 4.4.36

13) Draft letter to Director for consideration submitted

Ks 4/4 4/4

Dir seen 6.4.36 6378/34

Ag. 7.4.36.

Ag. Issued

Ag.

Letter No. D. 6136 of 7-4-36 To the Dir. etc 7.4.36 2

Stating that the plant may be located at a suitable place in the corner of the Sofa Mysore, and the working thereof entrusted to the normal staff of the Factory.

From the Dir. etc. 3

No. Dn. 287/35-36 dated 2-4-36

Forwards an estimate prepared by Mr. K. A. Rau for the installation and working of a Bitumen

Serial No.

Road Emulsion Plant at Mysore at a total cost of Rs. 46000/- and requests orders of Govt. in the matter.

15) In the estimate sent up, provision is made for Rs 12000/- for the manufacture of 70,000 gallons of emulsion, for the capital equipment and for a sum of Rs. 34000/- is required for working the plant.

16) The Capital estimate includes a Bitumen Boiler at a cost of Rs 2000/- and Building thereof costing Rs 1000/- Dr. Rau considers that these items can be avoided if a Boiler and a building of 40' × 25' are available in the Sandalwood Oil Factory where it is decided to be located. But the Dir. does not seem to have gone into this question.

17) The establishment charges are kept at Rs. 3136/- per annum as it obtains with the Bangalore Plant and whether any re-adjustments of hands in the S.O. Factory is possible is a question also to be gone into.

18) It is also reported that the cost of production works out to 0-6-2 per gallon and allowing for breakdowns and unforeseen circumstances, it is proposed to be at 7 as per gallon.

NOTE—Contn Sheet.

WD 03594—GPB—30,000—13-7-35

Re installation of a Road Emulsion plant at Mysore — 4447

SRC File No. 265 (2) 1-6 of 1935 — General and Revenue Secretariat

19) The source for meeting this expenditure is not pointed out and it has to be found by an addl. grant.

20) Submit for order.

Dy. Dir. 9/4

21) The Dy. Director of P.W.D. is to work. The proposed factory does not appear to have been connected. It is for orders if the estimate is not to be scrutinised by him particularly with regard to the scale of establishment proposed.

Dy. Secy. 11.4.36

6539 / 14/4

22) This is practically a repeat proposal. Please put up a draft G.O. sanctioning a Capital expenditure of Rs. 12000 and a working advance of Rs 25000. This appears to suppose for a short campaign as the manufacture will be again demanded.

MW. 16.4.36.

Secy. 14.4.36

23) Draft G.O. is submitted for consideration.

24) No mention is made in the Draft G.O. about the erection of this plant by Dr. K. A. Rao

Re installation of Patterson Road Emulsion plant at Mysore

(20

General and Revenue Secretariat | Dy. File No. 265 of 193 5. | [App. F. III—2

Serial No.	
	as he is, in another connection, proposed to be permitted to accept the Professorship of chemistry in the Annamalai Univ and to leave us by about 10th June next.
	25) Another point for consideration is the source from which the cost of the plant has to be met. In the draft G.O. it is suggested that it may be met from the Fl: Reserve of the Govt factory or an addl. grant becomes necessary:
	Kis 16/4
	26) Draft for consideration. The Fl. Secy has to be consulted.
16/4 17/4	dlw Secy 17.4.38
	27) Does the proposed expenditure can be incurred during the current year, or addl grant is necessary.
	28) Draft G.O. may be submitted
	Secy Trans 7e. Secy
	MW. 19.4.38.
	Secy 20.4.38
	29) Before sanctioning the present scheme, it is necessary to ascertain the financial results of the similar scheme at Bangalore sanctioned last year. The papers sanctioning the latter scheme and the Profit and Loss Account of the scheme may be put up.

FINANCIAL SECRETARIAT U.O.No. Fl. 2695 21 APR. 1936

NOTE.—Contn. Sheet.

WD 03594—GPB—30,000—13-7-35

The

Installation of a Bitumen Road Emulsion Plant at Imphal

(21

Ste File No. 265 [illegible] of 1935. | General and Revenue Secretariat

The cost of production per gallon (on the basis of a production of 70,000 gallons of emulsion during 100 working days for a period of 4 months) is estimated at 7 annas. In this calculation, the establishment charges for four months only have been taken into account. As the establishment or at least some of them cannot be disbanded for the remaining period, we have to take into account the establishment charges for the year. On this basis the cost will be about 7 annas 6 pies per gallon (excluding provision for supervision charges and trade expenses). Whether the market rate is much more than this is not clear.

30) There is also no data to show that the entire output (70,000 gallons a year) will be used by the Local Bodies every year permanently. If it is likely to be used only for some years in the beginning, there will be no financial justification to invest a large amount on the scheme permanently.

31) I think further details on the above points have to be called for.

B/J

32) The Comptroller has sent a balance sheet for Bitumen which [illegible]

1.6.

file

2-6-36

Jt 2695

That item will be already drawn.

GENERAL & REV. SECTT. ASSAM
3 JUNE 1936
DEVELOPMENT BRANCH

GENERAL AND REVENUE SECRETARIAT.

( )

NOTES.

File No.

FILE HEADING.

FROM

No. Dated Received

Diary No. | Enclos. | Spare copies | Serial No.

BRIEF ABSTRACT OF LETTER

NOTES AND ORDERS.

NOTES—First Sheet

P. T. O.

WD 0183—GPB—1,500—14-9-34.

4375

(W Installation of an Emulsion Plant at Mysore

General and Revenue Secretariat

File No. 165 of 193 5

33) The file containing the Balance Sheet in the I.T. Laboratory (including Bitumen Plant) as on 29-2-36 recd from the Comptr is put up

A

4/6/36

34) Refer para 32

Dev Secy) 4.6.36

5/6

Fl. Secy with cons

35) MW 6.6.36

Secy 6.6.36

36) I wanted to see the financial statements of the Road Emulsion section of the I.T.Laboratory. These may be called for.

MW 6.6.36

Secy. 17.6.36

FINANCIAL SECRETARIAT U.O.No. Fl. 3161 7. JUN. 1936 BANGALORE.

37) There was a statement which used every year from the IRD giving the results for each section separately. There is no I.T. & Engrl work in the file

MW 18.6.36.

19/6/36

38) The provisional Balance Sheet of the Bitumen Emulsion Section of the I.T. Laboratory, as on 31-12-35 recd from the Comptr is flagged & and placed in the file.

39) Remembered with reference to Fl Secy's Note at para 36 above

Secy. 19/6

Dev. Secy)

400

19/6/36

348 21/6

F 3326 25/6/36.

41) Fl. Secy with cons

MW 22.6.36. & 22/6/36

Re installation of a Road Emulsion Plant at Regore 4726 (V)

General & Revenue Secretariat. Dte File No. 265 of 1935. [App. F. III–2

Serial No.

42) The profit and loss account of the Bitumen Section of the Industrial and Testing Laboratory for the half year ending 31st December 1935 put up in the file, shows a profit of Rs. 1,854/- without taking into account supervision charges, depreciation and interest on capital. If these are taken into account, the profit will stand reduced considerably. It is desirable to ascertain the financial results and particulars of road emulsion manufactured, sold etc., during the half year ending June 1936, before extending the operations further.

43) Definite information on the points raised in paras 29 and 30 of the notes is also necessary. It is not desirable to invest a large amount on the scheme on a general assumption that there will be a steady demand. The ~~approved~~ approximate quantity of road surface emulsion expected to be purchased by the several local bodies at least during the next four or five years has to be ascertained, with reference to their needs and capacity to pay for it.

44) No provision has been made for the purpose in the next year's budget.

OFFICE OF THE SECOND MEMBER OF COUNCIL. 13 JULY 1936 No. 315

10/7

Secretariat. 11.7.

11.7.36

45) Secy PWD may be consulted

14/7/36

15.7.36.

15.7.36

NOTE—Contn. Sheet.

Re installation of a road emulsion plant at Mysore

3

Dte File No. 265 of 1935

General and Revenue Secretariat

123

46) Forwarded, with compliments, to the Secy to Govt P.W.D. for favour of remarks

Record 21/9/36-37

By Order

16-7-1936

15.7.36

Asstt Secy

for Secy to Govt

Rec Dev dept

Recd 16-7-36

(2)

47) Returned, with compliments.

16.7

17/7/36

48) 2. The out put of road emulsion of the proposed plant at Mysore is intended for supply to the Mysore City Municipality, and the Districts of Mysore, Hassan, Kadur and Shimoga. The approximate quantity of emulsion required by them during the year 1936-37 is noted below:-

Recd 17-7-36

Dr 17-7-36.

116.

	Gallons.
1. Mysore City Municipality (200 tons)	44,000
2. Mysore Division	16,000
3. Kadur Division	6,600
4. Shimoga Division	2,200
5. Hassan Division	500
6. Krishnaraj Sagar Division	26,400
	95,700.

49) As the capacity of the plant at Mysore is 70,000 gallons, the demand for road emulsion is equal to the output. By installing the plant at Mysore, there will also be considerable savings in the transport charges of emulsion from Bangalore to Mysore. As the demand for the road emulsion is expected to grow in the long run, it may be said that the emulsion plant at Mysore may be worked out successfully on a cheap and economic basis.

50) 3. The unofficial file received with your un-official

4/9

Installation of a road emulsion plant at Anantapur.

4124 25

General and Revenue Secretariat D.C. File No. 285 of 1935. [App. F. III—2

Serial No.	
	un-official No.65 dated 21st August 1936 is also enclosed.
	Secretary-to-Government, Development Department. 1/9/36
	Camp - Kadur, 1-9-1936.
	TSRN. 51) With reference Council date 14.7.36 See Member's 4.9.36.
	OFFICE OF THE SECOND MEMBER OF COUNCIL. 5 SEPT 1936 NO 1592
	4.9.36. 52) In view of the assurance contained in the above note that the demand for tar emulsion is adequate and that it is likely to increase in future, the proposal may be sanctioned.
	8/9/36. 53) Draft Govt already approved is slightly revised. 54) The sum of Rs 37,000/- sanctioned for this purpose has to be borne by an additional grant and hence the last 3 lines of para 6 of the Draft have to be revised.
	55) The Draft may perhaps be submitted for perusal to the Hon'ble Sec and the Dewan before issue. 10.9.36
	The financial results etc., of the Bangalore Plant for the half year ending June 1936 referred t

FINANCIAL SECRETARIAT U.O.No.Fi. 677 11 SEP 1936 BANGALORE.

NOTE—Contn. Sheet.

WD 0434—GPB—15,000—12-10-36

Installation of a road emulsion plant at Mysore

No 1611

File No. of 193

General and Revenue Secretariat

Serial No. 9R677

in my previous note have not been ~~noted~~ ascertained.

There is no provision for the purpose in the current year's budget.

Large capital grants have already been provided in the Budget and it will be difficult to provide extra funds during the current year. The scheme is also of an optional or deferrable character and there would be no inconvenience by deferring the consideration of the scheme till the next year.

M. Mcg 14/9

Shave telephoned to Director of ... he has promised to send the Palace file ... early ...

The plant is ... have to start very early to meet the ... demand.

Forwarded.

Secretary Dewan

14.9.36

OFFICE OF THE SECOND MEMBER OF COUNCIL. 15 SEPT. 1936 NO. 1855

14.9.36

The information asked for from the Director may be furnished to the Secretary as desired by him.

Shave nothing to add to the view expressed in para 5.

1/10/36

1.10.36

FINANCIAL SECTION U.O.No.Fr. 843 2 OCT. 1936

2.10.36

G.R.S. III—3]

Routine Notes.

[To be used only for notes, requisitions, etc., not intended for permanent record.]

27

From the Dir. Pre & Ind.

DO No D2-8-35/34-35 dt 21/9/35

To the Balance sheet & Trading account and the Profit & Loss Statement of the Bitumen Basis for the year ended 30-6-1936.

From the Jams Officer

DO No D2-287/35-36 dt 26.9.36

Reporting the actual cost of production per gallon of emulsion during 1935-36 in the laboratory as against the rate charged by the manufacturers.

After providing for depreciation and interest on Capital the operations have resulted in a net profit of Rs. 12573-9-11.

The actual cost of production per gallon of emulsion at the laboratory during the period ended 30-6-36 works out to Rs. 0-5-2 against the price of Rs. 0-10-6 per gallon charged by the "Colas" and Rs 0-6-6 per gallon by the Ex. Engr. C.I.H. Station. The Bitumen Contains oil mixed and C.I.H. The emulsion are 60% and 40-45% respectively while that of "Colas" is about

N.B.—Should routine notes be written on small slips, the notes must be copied, or slips pasted on this form.

G.R.S. III—3]

Routine Notes.

[To be used only for notes, requisitions, etc., not intended for permanent record.]

to be not available.

The prices that were being paid for by the P. W. D. are promised to be made by the Dep. after hearing from the Ex. Engr.

The above information was called for as desired by the Hon'ble Member in connection with the installation of the Second plant at Mysore.

Submitted for perusal and orders.

Ker C.

30/9

OFFICE OF THE HON'BLE MEMBER FOR PUBLIC WORKS
1 - OCT 1936
No. 2378

30.9.36

30.9.36.

1-10-36

2579/30/9

N.B.—Should routine notes be written on small slips, the notes must be copied, or slips pasted on this form.

L 1729 (29

1) May be resubs after obtaining Mr balance sheet for last half year -

2) The actual cost of production during the half year (period may be compared with the price which we would have to pay for emulsion of similar composition at current market rates.

Mr
16/9/36
17.9.36.

Ld.
17.9.36

3) Dft d.o. note.
Ch.
21/9

4) Issue

Ld.
21.9.36

D. Mr Dir. Dre
Do Mr 2182 Q 23/9/36
Enquiring what the actual cost of production of emulsion per gallon was during the period ended June 30th compared with the price that would have been paid for emulsion of similar composition at the market rates.

TYPING SECTION
23 SEP 1936
GENL & REV. SECTN.

D.O. No. D2-83/34-35-Dt 21.9.36
from the Div. Mr forwarding
Prov. Balance sheet, the Trading
and Profit Loss Statements &
Bitumen Emulsion Plant &
Tar & T. Laboratory for the year
ending 30-6-36 and stating
that the working of the Plant has
resulted in a net profit of Rs
12,5.73=9-11.

5) Subject for perusal. The working
of the Plant at Bangalore
has resulted in a net profit
of Rs 12,573-9-11 after providing
for depreciation & the Fixed
assets and interest on Capital.

6) The information about actual
Cost of production verification
during the period asked for
from the Div. will be awaited.

Sec 24/9

For orders.

Dy Sec 24.9.36

Please telephone Jethmi

25.9.36.

25.9.36

Sl 2) ~~Letter No. D. 2349 Dt 1-10-36 To the Div. Engr~~

States that the sales Officer of the Mysore Iron and Steel Works is in a position to further the sales of Soap Factory products in Hyderabad area and requests him to take up the matter with the works and Mr. V. Vattatreyan may be requested to keep in touch with the Agents & give suggestions to them & the Factory direct for the purpose of improving sales in the area & calls for a report of action taken.

Memo No. D. 2350 Dt 1-10-36 To copy to the ~~Secy to the Board of~~ Management, Mysore Iron & Steel Works.

2387
2419

31

Serial No.

Seen. As there is no provision for the purpose in the current year's budget and it will be difficult to provide extra funds, the scheme may be noted for consideration at the next budget time if it can wait till then. The capital cost proposed to be incurred viz., Rs 12,000 is high when compared to the expenditure incurred on account of the Road Emulsion Plant at Bangalore (Rs 6,879-14-0). The annual output of the Bangalore Plant is 63000 gallons and that of Mysore Plant is estimated at 70000 gallons. The latter scheme can be sanctioned only if the P.W.D. and the Municipalities are found capable of consuming 1,33,000 gallons and spend about Rs 60,000 every year on account of Road emulsion, from the normal grant for roads after meeting other items of expenditure.

8/10/36

The Chief Engineer had written that the demand for the emulsion is growing and in the year 1935-36, the Bangalore plant had supplied mainly for the Kolar district alone 1,35,000 gallons. So there may not be any difficulty in securing the demand.

The Mysore emulsion contains 60% bitumen against the 45%

NOTE—Contn. Sheet.

WD 0417—GPB—30,000—8-9-36

File No. of 193

General and Revenue Secretariat

Serial No.

DEWAN'S OFFICE
7 OCT. 1936
No. 795

OFFICE OF THE SECOND MEMBER OF COUNCIL
- 8 OCT. 1936
No. 2946

in the product sufficient light Thursday and yet the rate remains between 0-6-6 a gallon.

Even as the plant had made a profit of Rs 12,500 in 1935-36.

As regards the capital cost, it is likely there will be savings.

The scheme may be sanctioned.

Secretary to Dewan

MW. 6.10.36.

In Bangalore I believe an old boilers was purchased cheap the building is not is not much.

MW.

May I tentatively say - it is a paying proposition.

Mr. 8-10-36.

MW 7/10/36

Personal

MW 8/10/36

Fl Secy will see

MW. 8.10.36.

by 8.10.36

FINANCIAL SECRETARIAT
U.O.No.Fl. 897
9. OCT. 1936
BANGALORE

MW. 9.10.36.

by 10.10.36

Fl. Secy 13

TYPING SECT
13. OCT. 19
GEN'L & REV. SEC'T

Draft Sanction Order.

by 12/10 MW

May the draft issue?

Issue L D MW 12/10

Fl Secy 10.10.36

MW 10.10.36.

Issue by 12.10.36

Serial No.	
9	G.O. No. D. 2741-43 9/19.10-36
	To. The Dir. 9 to
	" Comptr. Thro' H.Q. Scott
	" Chief Engr.
	Sanctions the proposals.

B
GEOL. SURVEY. UGANDA
2 - NOV. 1936
GEOLOGICAL SURVEY

NOTE—Contn. Sheet.

WD 0417—GPB—30,000—8-9-35

3

C. O. 28/Gl. COMPTROLLER'S OFFICE.

(34

ORDERS.

1.Govt Industrial & Testing Laboratory
2.Bitumen Section
3.Lac Factory.

OFFICE OF THE SECOND MEMBER OF COUNCIL.
22 APR. 1936
NO. M 315

NOTES.

Mr. V.S. Subba Rao, Assistant Comptroller, J.a.5 told me that the Second Member wanted Provisional Balance Sheets as on 31st December 1935 of the marginally noted concerns and they have been prepared accordingly. The same may kindly be submitted to the Member.

Mr. V.S. Subba Rao is now on leave.

H. V. Venkatalapathy Iyengar 21/4/36
Assistant
Comptroller in charge.
J. a. 5

The Personal Assistant
to the 2nd Member of Council.

Subd for kind information
CCG.
21/4/36.

I. Acc Leg with compliments
21/4/36.

WD 0795—GPB—10,000—18.11.35

INDUSTRIAL & TESTING LABORATORY

38

Manufacturing Account for the half year ending 31-12-35 - Provisional

To Opening Stock on 1-7-35		By closing stock	
Works in process 5126-12-8		Raw materials 24310-8-7	
Raw materials 24811-13-5		Works in process 8041-5-5	32,351-14- 0
	29,938-10- 1	Sale of Raw materials	23- 2- 0
To Purchase of raw materials	16,863-10- 0	Balance carried to Trading Account	18,356-13- 7
" Wages	1,852- 7- 0		
" Power	73- 3- 0		
" Heating charges	9- 0- 0		
" Water charges	291- 8- 0		
" Supervision "	1,462- 8- 0		
" Consumable Stores	240-15- 6		
	50,731-13- 7		50,731-13- 7

Trading Account

To Opening Stock	14,172- 0- 6	By Sales Cr. 27,478-5-6	
Manufacturing A/C	18,356-13- 7	Cash 243-9-9	
		27,721-15-3	
Commission paid	328- 5- 6	less returns 168-13-0	27,553- 2- 3
Carriage outwards	183- 8- 0	Closing stock	13,538- 4- 9
Duty on Sales	363- 4- 3		
Gross Profit	7,687½ 7- 2		
	41,091- 7- 0		41,091- 7- 0

PA O.N.

Supervision charges i.e. pay of Sr. Aswathnarayana Rao is completely charged to the Laboratory instead of being distributed among the Laboratory, Bitumen Section and Lac Factory.

Sd/-

INDUSTRIAL & TESTING LABORATORY

Profit and Loss Account for six months ended 31-12-35

To Establishment	3183-12- 9	By Gross Profit	7687- 7- 2
" Repairs & Renewals	398- 7- 3	" Testing fees	10- 0- 0
" Postage & Tele grams	47- 4- 9	" Mis. Receipts	138- 7- 9
" Journals & Periodicals	54- 6- 0	"	
" Books	113-10- 8		
Trade charges	151-15- 0		
Chemicals	214- 6- 0		
Experiments	542- 1- 0		
Stationery & Printing	117- 1- 6		
Lighting charges	67-12- 0		
Depreciation	2152- 5- 0		
Net Profits C.O.	792-13- 0		
	7835-14-11		7835-14-11

Balance Sheet (Provisional) as on 31-12-35

Govt. Soap Factory	120577- 6- 3	Fixed Capital Expenditure (Assets)	57,976- 1- 6
Suspense	4885- 2- 4	Sundry debtors 23796-3-7	
Depreciation Reserve	6065- 9- 0	Less Reserve for Bad&Doubtful Debts 1508-5-9	
Outstanding payments	6978- 4-n9		22,287-13-10
Profit & Loss A/C Balance upto 30-6-35 - 8012- 5-0 Add Profits 792-13-0		Advances	239-10- 0
	8805- 2-.0	Bitumen Plant	17,414-10- 3
(B.F from P.& L a/c for 6 months ended 31-12-35)		Closing Stock	
		Raw materials 24310-8-7	
		Finished Goods 13538-4-9	
		Work in process 8041-5-5	
			45,890- 2- 9
		Cash on hand	190- 0- 0
		Lac Factory A/c	585- 0- 6
		Honorarium	2,728- 1- 6
	147311-8- 4		147311 - 8- 4

Manufacturing, Trading and Profit and Loss Account of the Government Lac Factory from 1-11-35 to 31-12-35

(Provisional)

To Raw Materials O.B.	3,156- 9- 0	By Sales		
" Finished Goods O.B.	341-12- 8			
" Purchase of Raw materials	1,175-12- 9	Cash 204-10-9 Credit 926- 8-0		1131- 2- 9
" Wages (and salaries)	510-11- 0	Closing stock		
" Carriage	97- 3- 0	Raw Materials	3785-14-6	
" Water charges	112- 8- 0	Finished stock	571-12-0	4357-10- 6
" Consumable stores	28- 9- 0			
" Stationery & Printing	87- 6- 0			
" Commission	30- 0- 0			
" Proportionate Supervision charges		Loss		51-10- 2
Depreciation and interest on capital not ~~of the Supervision~~ debited				
	5,540-7- 5			5,540- 7- 5

Balance sheet as on 31-12-35 (Provisional)

Capital (Assets acquired from Forest Dept as valued by the Supdt. I.& T.Laboratory not yet accepted by the Forest Deptt)	4,177- 8- 8	Fixed Assets (Tools and Plant as valued by the Supdt O.B. 241-7-0 Additions 29-11-6		271- 2- 6
Dues to Laboratory	585- 0- 6	Sundry Debtors O.B. 437-12-0		
Outstanding payments	889-14- 0	Additions 534- 4-0		972- 0- 0
		Closing Stock -		
		Raw materials	3785-14-6	
		Finished Stock	571-12-0	4,357-10- 6
		Loss (Depreciation and Interest on capital and supervision charges not charged)		51-10- 2
	5,652- 7-2			5,652- 7- 2

* Details of Assets acquired from the Forest Department

Fixed Assets (Tools & Plant)	241- 7- 0	As per list valued by the Supdt but not accepted by the Forest Deptt.
Sundry Debtors	437-12- 0	
Raw materials	3,156- 9-0	
Finished Goods	341-12-8	
	4,177- 8- 8	

Manufacturing, Trading and Profit & Loss Account of the Bitumen Section (August to 31st December 35.)

To Raw materials purchased ..		11,170-14-9	By sales	7898-10-0	
" Wages ..		247- 6-0	Less returns	113- 0-0	7,785-10-0
" Consumable stores.		88-15-0	Miscellaneous receipts ..		80-13-0
" Establishment charges		468- 8-0	Closing stock Raw - materials	5842-11-0	
" Stationery and Printing ..		4- 7- 6	Finished products	138-15-0	5,981-10-0
" Carriage ..		13- 8-0			
" Profit ..		1,854- 5-9			
(Depreciation and Interest on Capital not charged).					
	Rs.	13,848- 1-0		Rs.	13,848- 1-0

BALANCE SHEET AS ON 1ST JANUARY 1936.

Indl Lab A/C (Capital)	Rs.	17,414-10-3	Fixed Assets ..	Rs.	6,142-13-0
Deposits ..		25- 0-0	Tools and Plant ..		20- 6-0
Creditors ..		437- 1-0	Closing Stock Raw materials	5842-11-0	
Outstanding payments		160- 3-0	Finished products	138-15-0	5,981-10-0
Profits ..		1,854- 5-9	Sundry Debtors		7,746- 7-0
(Depreciation and Interest on Capital not charged)					
	Rs.	19,891- 4-0		Rs.	19,891- 4-0

Thamarikal 60.
10.
Bitumen
Sale.
5 - -
75.

Appendix F G—1]

79

SUBJECT.....

.....

.....

Section Dre

File No. 265-35

Serial No. 1

Diary No. of letter replied to.....

No. D. 5865. & 28/3/35

To

General and Revenue Secretariat

( )

the *193*

The Dir. Dre

Sir,

Date of issue 25-3-35

Signed by W. K. Srikantan

and supply

I am directed to state that Govt. consider that it would be an advantage to have a plant installed at Mysore for the manufacture of Bituminous road emulsion to the Mysore City Municipality and Mysore, Hassan and Kadur D.Bs, and to request you to kindly obtain from Dr. K. A. Rao, Supdt. Govt. I. & T. and forward, with your remarks, Laboratory, detailed estimate for the purchase and erection

List of enclosures.....

Copied by .....

Examined by.....

WD 03601—GPB—30,000—23-9-35

at myork, of a plant of the same capacity as that of the Laboratory, together with a forecast of the financial results of the proposed plant.

The matter may kindly be treated as urgent and your proposals submitted at a very early date

Yours sincerely

H. Hoover

Key

2/3

GOVERNMENT OF HIS HIGHNESS THE MAHARAJA OF MYSORE

General and Revenue Secretariat

Dated, Bangalore, 25-3-1936

No. D. 5865
Jre 265.35.

From

The *Secretary to the Government of His Highness the Maharaja of Mysore,*
Development Department.

To

The Director of Industries and Commerce
in Mysore, Bangalore.

Sir,

I am directed to state that Government consider that it would be an advantage to have a plant installed at Mysore for the manufacture and supply of Bitumen road emulsion to the Mysore City Municipality and Mysore, Hassan and Kadur Districts, and to request you to kindly obtain from Dr. K. Aswathanarayana Rao, Superintendent, Government Industrial and Testing Laboratory, and forward, with your remarks, detailed estimates for the purchase and erection at Mysore, of a plant of the same capacity as that of the Laboratory, together with a forecast of the financial results of the proposed plant.

The matter may kindly be treated as urgent and your proposals submitted at a very early date.

I have the honour to be,
Sir,
Your most obedient servant,

For Secretary to Government,
Development Department.

Appendix F G—1]

41

SUBJECT.....

.....

.....

Section Dr C

File No. 265-35

Serial No. 2

Diary No. of letter replied to.....

No. D. 6134.

To

The Dir. Irc

General and Revenue Secretariat

( )

the *193*

Sir,

In continuation of this office letter No. D. 5-865/Irc 265-35-1 dated 25.3.36 calling for detailed estimates etc for installing a Bitumen Road Emulsion plant at Mysore, I am directed to state that the plant may be located in a suitable place in a corner of the Sandalwood oil Factory, Mysore and the working money entrusted to the ~~Deputy Director of Industries~~ normal soap Manufacturing Instructor

I have the

Date of issue 9.4.36

Signed by Mr. K.S.R.

List of enclosures.....

Personal

Copied by .....
9/4/36

Examined by.....

Yr
6.4.36

WD 03601—GPB—30,000—2-39-35

GOVERNMENT OF HIS HIGHNESS THE MAHARAJA OF MYSORE

General and Revenue Secretariat

Bangalore, Dated, 9th April 1936

No. D.6134

From

The *Secretary to the Government of His Highness the Maharaja of Mysore, Development Department.*

To

The Director of Industries and Commerce in Mysore

Sir,

In continuation of this office letter No.D.5865/ I & C.265-35-1 dated 25th March 1936 calling for detailed estimates etc for installing a Bitumen Road Emulsion plant at Mysore, I am directed to state that the plant may be located at a suitable place in a corner of the Sandalwood Oil Factory, Mysore and the working thereof entrusted to the normal staff of the factory.

I have the honor to be,
Sir,
Your most obedient servant,

for Secretary to Government
Development Depart

B.h.M.2

Telegraphic Address:—"INDUSCOM."

GOVERNMENT OF MYSORE.

IMMEDIATE. DEPARTMENT OF INDUSTRIES AND COMMERCE.

DEVELOPMENT BRANCH.

In reply please refer to
No. D2-287/35-36
Encl. Encl.

OFFICE OF THE DIRECTOR,

Dated Bangalore, 7th April 1936

I & C. 265-35-3

FROM

S. ABDUL WAJID, ESQ., B.A.,
Director of Industries and Commerce in Mysore,
Bangalore (India).

To

M. VENKATANARANAPPA, ESQ., B.A.,
Secretary to the Government of Mysore,
Development Department, Bangalore.

SIR,

Proposed Bitumen Emulsion Plant at Mysore.

*****

With reference to your letter No. D. 5865/I&C.265-35-1 dated the 25th March 1936 on the above subject, I have the honour to submit herewith for the information and orders of Government, a copy of the estimate prepared by Dr. K. Aswathnarayana Rao, Superintendent of the Industrial and Testing Laboratory for the purchase and erection at Mysore of a Bitumen Road Emulsion Plant of the same type as that of the Laboratory.

After providing for a Bitumen Boiler and buildings slightly bigger than those at Bangalore for the reasons given in the estimates, the capital expenditure is estimated at Rs 12,000/-. The cost per gallon works out to 7 annas after providing for interest on the outlay and depreciation of assets. It is seen that no provision has been made in the estimates for trade expenses and supervision. An annual provision of about Rs 34,000/- is estimated to be required for the working expenses of the plant. On this basis the total grant required for both Capital and Revenue expenditure amounts to Rs 46,000/-

As mentioned by the Superintendent, the scheme is on the same lines as the one already prepared by the Industrial Chemist ~~and Chemical Engineer~~ and submitted to Government and is subject to necessary modifications according to the conditions at the time of erection.

I solicit orders of Government in the matter.

I have the honour to be,
Sir,
Your most obedient servant

DIRECTOR.

BV3)

Estimate for a Bitumen Emulsion Plant at Mysore.

'A' Capital.

One 10" Premier Mill of the same type as erected at Bangalore.	....	Rs	3,300/-
One 3 H.P. centrifugal pump	...	"	500/-
Water boilers for heating water	...	"	500/-
Bitumen Boiler	...	"	2,200/-
A larger boiler than the one at present in Bangalore is provided for as it is found by experience that production can be increased by the use of a larger one which will be able to better feed the mill.			
Direct coupled 3 H.P. Electric Pumping Set "Open Type" Impeller Pump.	...	"	350/-
Pipes, Hose, Erection charges, Sundries, etc.		"	1,500/-
Overhead and Storage Tanks, barrels, etc.,	...	"	1,000/-
Building with Mangalore tiled roof.	...	"	2,000/-
Building slightly larger than the one at Bangalore will be erected, as it is found that it will be more convenient for the work and also for storage of raw materials.			
No compound wall for the building has been provided for.			
Electric and Water connections	...	"	500/-
This figure will depend naturally on the distance of the Electric and Water mains from the building.			
Unforeseen ...	...	"	150/-
Total	...	Rs	12,000/-

No Lorry has been provided for in this Estimate as it is presumed that the Mysore City Municipality will be able to send their own Lorry for taking the supplies.

If a Bitumen Boiler is available, the Estimate will be correspondingly less. Instructions were given to me to provide for a building, which has been done. But, if one of the old building of size 40' x 25' is already available, the estimate will be reduced to that extent.

'B' Working Expenses.

Cost of Raw Materials per day of 8 hours for preparing 700 gallons of emulsion.

Spramex 4,200 lbs. @ Rs 125/- per ton Rs 234- 6-0
Fire wood 8 cwts. @ Rs 14/- " " " 8-10-0 × 5-12-0
C.O. ~~242-0-0~~ 240-0-0

Brought forward	Rs	240-0-0
Rosin soap 140 lbs. @ Rs 16-8-0 per cwt.	"	20-10-0
Water ...	"	1- 0-0
Kerosine ½ bottle @ Rs 0-2-0 per bottle.	"	0- 1-0
Cotton waste ½ lb. @ Rs 0-2-0 per lb.	"	0- 1-0
Grease ¼ lb. @ Rs 0-4-6 per lb.	"	0- 1-2
Crude oil 2 bottles @ Rs 0-1-3 per bottle.	"	0- 2-6
Caustic soda 2 lbs. @ Rs 16/- per cwt.	"	0- 2-4 ~~0-4-7~~
Total ...	Rs	~~265-8-0~~ 262-0-0

Cost of raw materials to produce 70,000 gallons of emulsion during 100 working days Rs 26,212-8-0 or roughly Rs 27,000/-

Cost of Establishment and Labour.

Foreman Rs 100/- a month	"	1,200/-
Storekeeper and Clerk Rs 30/- a month	"	360/-
6 men at Rs 15/- a month 90x12	"	1,080/-
2 boys at Rs 7/- a month 14x12	"	168/-
1 watchman on Rs 15/-	"	180/-
1 fireman Rs 12-8-0	"	150/-
Total ...	Rs	3,138/-
Power charges annually	"	250/-

Depreciation, Interest, etc.,

Depreciation on Rs 12,000/- @ 10%	"	1,200/-
Repairs and Renewals	"	100/-
Interest on Rs 42,138/- @ 5½%	"	2,315/8/-
Total ...	Rs	3,615/8/-

Total.

Raw materials	Rs	27,000-0-0
Labour & Establishment	"	3,138-0-0
Power charges	"	250-0-0
Depreciation, Interest,	"	3,615-8-0
Total	Rs	34,003-8-0

4b

Nothing has been allowed for supervision, etc.

Cost of production of 70,000 gallons of emulsion during 100 working days or a period of 4 months i.e., 1/3 of the year.

Raw materials	Rs	27,000-0-0
Labour & Establishment	"	1,046-0-0
Power charges	"	83-0-0
Interest & Depreciation	"	1,205-0-0
Total ...	Rs	29,334-0-0

Therefore, cost per gallon : 29,334-0-0 x 16/ 70,000 : 6 as. 9 ps. per gallon.

Allowing for break downs and other unforeseen circumstances, the cost may be fixed at 7 annas per gallon. We are charging at Bangalore 6 as. 6 ps. at present, and find that no profit is made. This cost is for 60% emulsion and does not include the cost of containers.

The scheme is the same as that proposed by the Industrial Chemist and Chemical Engineer in his letter No.4279 dated 11th December 1934, except for slight alterations based on experience during the last six months.

The total grant required for both capital and working expenses amounts to Rs 46,003-8-0. A period of four months has been taken as a working unit, because it has been found by experience that payment of bills for the emulsion supplied is not made within this period.

K. Venkata Rao

Superintendent.

PRF-5).

9 Fc. 265-35-4

Tels.—"INDUSCOM" Codes used—A.B.C. 5th Edition & Bentley's

GOVERNMENT OF MYSORE

Department of Industries and Commerce.

18 AUG. 1936

DEVELOPMENT ... ANCH

D. O. No. D2-83/34-35

Mr. S. G. Sastry, B.A., M.Sc., F.C.S.
Director.

OFFICE OF THE DIRECTOR,

Bangalore, dated 17th August *193* 6.

Dear Mr. Venkatanaranappa,

Emulsion Plant for Mysore

A number of firms who were consulted and were requested to quote for an Emulsifier want to know our decision. May I request you to kindly obtain orders of Government on the subject of having a duplicate plant in Mysore ? There was an idea that the plant should have been working before the end of May, but the matter has not yet been settled.

Yours Sincerely,

S Sastry

M. Venkatanaranappa, Esq., B.A.,
Secretary to the Govt., of Mysore,
Development Department, Bangalore.

1441
20/8

Kind refee is invited to the reply of the Secy. P.W.D. dt 11/8/36 (placed below) & the return of the main file with the addl. information required by the Finance dept.

If agreed, this will be sent to in continuation for favour of returning the main file immediately with the information called for.

Yes
19/8/36

19.8.36

20.8.36

21.8.36
20.8.36

G.R.S. III—3]

Routine Notes.

[To be used only for notes, requisitions, etc., not intended for permanent record.]

Dev F No 136
24/8/36

No. 65/29.36 37 dt 21.8.36

Forwarded, with compliments, to the Secretary to Govt. P.W.D. for favour of expediting the return of the main file with his opinion

By Order
Secretary
for Secy to Govt.
Dev. Dept

21-8-36

Records
Please put up
A.O. No 166
21 8 36

Supdt
24/8.

Supdt
27/8/36

N.B.—Should routine notes be written on small slips, the notes must be copied, or slips pasted on this form.

Tel.: "INDUSCOM"

DEPARTMENT OF INDUSTRIES AND COMMERCE.

Mr. S. G Sastry, B.A., M.Sc. F.C.S.
Director.

OFFICE OF THE DIRECTOR,
Bangalore, dated the 6th Octr. 1936

D. O. No. D2-287/35-36.

1890

SEC. & REV. SECRETARIAT
- 7 OCT. 1936
DEVELOPMENT BRANCH

Dear Mr. Venkatanaranappa,

Cost of Production of Road Emulsion

In continuation of my D. O. letter of even No. dated the 26/27th Septr. 1936 on the above subject, I write to state that the bitumen content of "Colas" emulsion is ascertained to be 56 %.

Yours sincerely,

M. Venkatanaranappa, Esq., B.A.,
Secy. to Govt., Dev. Department.
Bangalore.

P.S.- Mr. Duraiswamy Aiyangar was here about the proposed Bitumen Emulsion Plant at Mysore during his inspection of D.T.L this morning - 6-10-36

D/1681
Secy 7/10

The previous papers alongwith the main file on the subject was sent to the Dt. Bd. on 24/9/36. & this will, if agd, be sent in continuation. In this connection Mr. Aiyangar's kind reference is invited to the "P.S." portion of the above D.O letter

8/10

8-10-36 The file was received back and is now submitted to Director & the Member in charge

8.10.36

(12)

Proceedings of the Government of H.H.
the Maharaja of Mysore.

R e a d:-

P.W.D.

Correspondence ending with letter No.D2-287/35-36 dated the 7th April 1936 from the Director of I & C. forwarding detailed estimates prepared by ~~Dr. K. Aswathanarayana Rau~~ the, Superintendent, Govt. Industrial and Testing Laboratory, Bangalore, for the purchase and erection of a Bitumen Road Emulsion plant at Mysore, at a cost of Rs.46,000/- as detailed in the margin@, for the manufacture and supply of road emulsion to the Mysore City Municipality and the Mysore, Hassan and Kadur Districts.

Capital Equipment Rs.12,000
Working Advance 34,000

furnishing his remarks on the Secy. to Govt. P.W.D. 2. P.W.D. No. 147 dated 4-9-36 on the proposal.

Order No.D. 2741-43 / I & C. 265-35-9

Dated Bangalore, the 19th Oct 1936.

@ A scheme for the manufacture of Bitumen emulsion for treating the surface of roads in the State was sanctioned in March 1935 and a plant of the capacity of 63,000 gallons or 300 tons a year was installed in the Government Industrial and Testing Laboratory, Bangalore. The entire output of this plant is hardly sufficient to meet the requirements of the Bangalore City Municipality and the Bangalore, Kolar and Tumkur Districts.

2. The question of meeting the growing demand for the supply of road emulsion ~~from the Mysore City Municipality and the Districts of Mysore, Hassan, Kadur and Shimoga Districts and of~~ --

57

by duplicating the plant at Bangalore ~~has been engaging~~ received the ~~attention of Government for some time past.~~ was examined But as the ~~entire~~ output of the proposed plant is intended for supply to the Mysore City Municipality and the ~~Mysore~~ districts, -- Hassan, Kadur and Shimoga ~~Districts~~, Govt. ~~considered~~ that it would be more advantageous and economical to locate the plant at Mysore.

3. According to the detailed estimates ~~prepared by Dr. Aswathanarayana Rao,~~ furnished in this behalf the -- capital outlay ~~on the proposed plant~~ is -- estimated at about Rs.12,000/-, including a sum of Rs.2000/-, required for buildings. In addition, ~~an annual provision~~ working capital of Rs.34,000/- is stated to be required for ~~working~~ ~~expenses~~. Annual. This includes Rs.3138/- required for Establishment and Labour as per details given in the margin. @ The output is estimated at 700 -- gallons per day and the cost of manufacture at 6 as. 9 ps., a gallon, after providing for depreciation of assets at 10% and interest at 5½% on the outlay. In view of the necessity to make due allowance for breakdowns and other unforeseen circumstances, the Director recommends that the selling price may be -- fixed at 7 as. per gallon.

@
1 Foreman on Rs.100 p.m.
1 Store-keeper & Clerk on Rs.30 p.m.
6 Men on Rs.15 each p.m.
2 Boys on Rs.7 each p.m.
1 Watchman on Rs.15 p.m.
1 Fireman on Rs.12/8 p.m.

In view of the assurance given by the Secy. P.W.D. that the demand for the emulsion required by the proposed plant is adequate and that it is likely to increase in future

4. ~~After a careful consideration~~, Govt. are pleased to sanction the proposals of the Director of I & C., and direct that the plant be erected at a suitable place in ~~a corner~~ the grounds of the Sandal Oil Factory, Mysore, and that the ~~working~~ Superintendence thereof entrusted to the ~~normal~~ staff of the Sandal Oil Factory.

5. As regards the working advance of Rs.34,000/- asked for by the Director, Govt., consider that a sum of Rs.25,000/- ought to suffice for a start, especially as the manufacture will be against demand. They are accordingly pleased to sanction a working advance of Rs.25,000/- ~~inclusive~~ of Rs.3138 required ~~for establishment and~~ Labour.

6. The total amount sanctioned for -- Capital outlay and working advance is thus Rs.37,000/-. An additional demand for this sum will be placed before the L. C. at its next session.

A demand for an additional sum to this extent will be placed before the next Session after the L.C. meeting.

Dev. Secretary.

To

The Director of I. & C.

The Comtroller to Government. through F. D.

The Chief Engineer of Mysore.

PROCEEDINGS OF THE GOVERNMENT OF HIS HIGHNESS
THE MAHARAJA OF MYSORE

Read:-

Correspondence ending with letter No.D2-287/35-36 dated the 7th April 1936 from the Director of Industries and Commerce forwarding detailed estimates prepared by the Superintendent, Government Industrial and Testing Laboratory, Bangalore, for the purchase and erection of a Bitumen Road Emulsion plant at Mysore, at a cost of Rs.46,000/- as detailed in the margin, for the manufacture and supply of road emulsion to the Mysore City Municipality and the Mysore, Hassan and Kadur Districts.

Capital Equipment	..	Rs.12,000
Working Advance	..	" 34,000

2. Unofficial Note No.147 dated 4th September 1936 of the Secretary to Government, Public Works Department, furnishing his remarks on the proposal.

- - - - - - - - -

ORDER NO: D.2741-43/Dx265-35-9

Dated, Bangalore, the 13th October 1936.

A scheme for the manufacture of Bitumen emulsion for treating the surface of roads in the State was sanctioned in March 1935 and a plant of the capacity of 63,000 gallons or 300 tons a year was installed in the Government Industrial and Testing Laboratory, Bangalore. The entire output of this plant is hardly sufficient to meet the requirements of the Bangalore City Municipality and the Bangalore, Kolar and Tumkur Districts.

2. The question of meeting the growing demand for the supply of road emulsion by duplicating the plant at Bangalore was examined. But as the output of the proposed plant is intended for supply to the Mysore City Municipality and the ~~Xxxxxx~~ Districts of Mysore, Hassan, Kadur and Shimoga, Government consider that it would be more advantageous and economical to locate the Plant at Mysore.

3. According to the detailed estimates prepared in this behalf the capital outlay is estimated at about Rs.12,000/- including

a sum of Rs.2,000/- required for buildings. In addition, working capital of Rs.34,000/- is stated to be required for operation. This includes Rs.3,138/- required for establishment and labour as per details given in the margin. The ~~max~~ output is estimated at 700 gallons per day and the cost of manufacture at 6 annas 9 pies a gallon, after providing for depreciation of assets at 10 per cent and interest at 5½% on the outlay.

1 Foreman on Rs.100 per mensem
1 Store-keeper and Clerk on Rs.30 per, mensem.
6 Men on Rs.15 each per mensem
2 Boys on Rs.7 each per mensem
1 Watchman on Rs.15 per mensem
1 Fireman on Rs.12/8 per mensem.

4. Government are pleased to sanction the proposals of the Director of Industries and Commerce and direct that the plant be erected at a suitable place in the grounds of the Sandal Oil Factory, Mysore, and that the supervision thereof be entrusted to the staff of the Sandal Oil Factory.

5. As regards the working advance of Rs.34,000/- asked for by the Director, Government consider that a sum of Rs.25,000/- ought to suffice for a start, especially as the manufacture will be against demand. They are accordingly pleased to sanction a working advance of Rs.25,000/-.

6. The total amount sanctioned for Capital outlay and working advance is thus Rs.37,000/-. A demand for an additional grant to this extent will be placed before the next session of the Legislative Council.

Kiruna

For Secretary to Government,
Development Department.

To

The Director of Industries and Commerce in Mysore.

" Comptroller to Government through Financial Department.

" Chief Engineer of Mysore.

S.R.6

Estimate for a Bitumen Emulsion Plant at Mysore.

'A' Capital.

One 10" Premier Mill of the same type as erected at Bangalore.	...	Rs.3,300/-
One 3 H.P.centrifugal pump	...	" 500/-
Water boiler for heating water	...	" 500/-
Bitumen Boiler	...	" 2,200/-

A larger boiler than the one at present in Bangalore is provided for as it is found by experience that production can be increased by the use of a larger one which will be able to better feed the mill.

Direct coupled 3 H.P.Electric Pumping Set "Open Type" Impeller Pump.	...	" 350/-
Pipes,Hose, Erection charges,Sundres, etc.		" 1,500/-
Overhead and Storage Tanks, barrels, etc..	...	" 1,000/-
Building with Mangalore tiled roof.		" 2,000/-

Building slightly larger than the one at Bangalore will be erected, as it is found that it will be more convenient for the work and also for storage of raw materials.

No compound wall for the building has been provided for.

Electric and Water connections.	...	500/-

This figure will depend naturally on the distance of the Electric and Water mains from the building.

Unforeseen ...	...	" 150/-
	Total	Rs. 12,000/-

No Lorry has been provided for in this Estimate as it is presumed that the Mysore City Municipality will be able to send their own Lorry for taking the supplies

If a Bitumen Boiler is available, the Estimates will be correspondingly less . Instructions were given to me to provide for a building, which has been done. But,it one of the old building of size 40' x 25' is already available, the estimate will be reduced to that extent.

'B' Working Expenses.

Cost of Raw Materials per day of 8 hours for preparing 700 gallons of emulsion.

Spremex 4,200 lbs. @ Rs.125/-per ton		Rs.234- 6-0
Firewood 8 cwts.@ Rs.14/-	"	5-10-0
	C.O.	240-0- 0

56

Brought forward		Rs. 240-0-0
Rosin soap 140 lbs. @ Rs.16-8-0 per cwt.		" 20-10-0
Water		" 1- 0-0
Kerosine ½ bottle @ Rs.0-2-0 per bottle		" 0- 1-0
Cotton waste ½ lb. @ Rs.0-2-0 per lb.		" 0- 1-0
Grease ¼ lb. @ Rs.0-4-6 per lb		" 0- 1-2
Crude oil 2 bottles @ Rs.0-1-3 per bottle		" 0- 2-6
Caustic soda 2 lbs. @ Rs.16/- per CWT.		" 0- 4-7
Total		Rs. 262-4-3

Cost of raw materials to produce 70,000 gallons of emulsion during 100 working days Rs.26,212-8-0 or roughly — Rs.27,000/-

Power charges annually — " 250/-

Depreciation, Interest, etc.

Depreciation on Rs.12,000/- @ 10%	" 1,200/-
Repairs and Renewals	" 100/-
Interest on Rs.42,138/- @ 5½%	" 2,315/8/-
Total ...	Rs. 3,615/8/-

Total.

Raw materials Rs.	Rs.27,000-0-0
Power charges	" 250-0-0
Depreciation, Interest, Labour and establishment	" 3,615-8-0 3138-0-0
Total	Rs.34003-8-0

Nothing has been allowed for supervision, etc.

C. Ishwardas

For Secretary to Government
Development Department

Proceedings of the Government of H.H.
the Maharaja of Mysore.

Read:-

Correspondence ending with letter No. D2-287/35-36 dated the 7th April 1936 from the Director of I. & C., forwarding detailed estimates preppared by Dr. K. Aswathanarayama Rao, Superintendent, Govt. Industrial & Testing Laboratory, Bangalore, for the purchase and erection of a Bitumen Road Emulsion plant at NMysore, at a cost of Rs.46,000/- as detailed in the margin, for the manufacture and supply of road emulsion to the Mysore City Municipality, and the Mysore, Hassan and Kadur Districts.

@

	Rs.
Capital equipment	12,000
Working Advance	34,000

Order No.D.

Dated Bangalore, the 1936.

A scheme for the manufacture off Bitumen emulsion for treating the surface of roads in the State was sanctioned in March 1935 and a plant of the capacity of 63,000 gallons or 300 tons a year was installed in the Government Industrial and Testing Laboratory, Bangalore. The entire output of this plant is hardly sufficient to meet the requirements of the Bangalore City Municipality and the Bangalore, Kolar and Tumkur Districts.

2. The question of meeting the growing demand for the supply of road emulsion from the Mysore City Municipality and the Districts of Mysore, Hassan, Kadur and Shimoga and of duplicating the plant at Bangalore has been engaging the attention of Government for some time past. But

But as the entire output of the proposed plant is intended for supply to the Mysore City Municipality, and the Mysore, Hassan, Kadur and Shimoga -- Districts, Govt., considered that it would be more advantageous and economical to locate the -- plant at Mysore.

3. According to the detailed estimates prepared by Dr. Aswathanarayana Rau, the capital outlay on the proposed plant is estimated at about Rs.12,000/- including a sum of Rs.2000 required for buildings. The output at 700 gallons per day, and the cost of manufacture is estimated at 6 as. 9 ps. a gallon, after providing for depreciation of assets at 10% and interest at 5½% on the outlay. In view of the necessity to make due allowance for break downs and other unforeseen circumstances, the Director recommends that the selling price charge per gallon of emulsion to be supplied by the new plant may be fixed at 7 as. per gallon.

The annual charges Rs. 3 account including sinking fund for In addition annual charges of Rs 3400/- is to be required for working expenses this includes Rs 3138/- required for labour as per details given below

The cost of establishment and labour is estimated at Rs 3138/- per annum as per details given below, is said to be required for the working expenses of the plant

4. After a careful consideration of the proposals, Government are pleased to sanction the proposals of the Director and direct that the plant be erected and the purchase and erection at a suitable place in a corner of the Sandal Oil Factory, Mysore, of a plant capable of an output of 700 gallons of emulsion per day at an -- estimated capital cost of Rs.12,000, the working thereof being entrusted to the S.O. normal staff of the Factory. The Director's proposal to charge 7 as per gallon is also approved.

5. They are also pleased to sanction a working advance of Rs.25,000 inclusive of the marginally noted establishment and labour at an annual cost of Rs.3138/-.

subsistence allowance

1 Foreman on Rs.100 p.m.
1 Store-keeper & Clerk on Rs.30 p.m.
6 Men on Rs. 15/- each p.m.
2 Boys on Rs. 8/- each p.m.
1 Watchman on Rs. 15/- p.m.
1 Fireman on Rs. 12/8 p.m.

55

6. The capital outlay and the working advance sanctioned above will be met from the General ~~Reserve~~ Reserve of the Govt. Soap Factory.

subject to approval

Dev. Secretary.

To

The Director of I. & C.
The Comptroller through F.D.
The Chief Engineer of Mysore.

55

As regards the working advance of Rs. 300000/- asked for by the Govt. considered that a sum of Rs. 250000/- only is required for the present as the manufacture will be against demand and hence are accordingly placed a working advance of Rs. 250000/- in charge of the Collr. ~~of the Cost~~ ~~of~~ Rs. 31395/- required for ~~the~~ ~~total~~ expenditure ~~of Rs. 37,000/-~~ ~~as sanctioned above~~ are additional demand for the Entire labour.

6 An addl. grant of Rs. 37000/- required on this account is sanctioned, a demand therefor being placed before the L.C. at its next session.

The final amount sanctioned for capital outlay and working advance is thus Rs 37000/-

An additional demand for this sum will be placed before the L.C. at its next session

17.4.38